

Active Recombinant Human EGFR Protein (Leu 25 - Ser 645), His-tagged, low endotoxin

Cat. No. EGFR-338H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EGFR Protein (P00533-1, 25-645aa, low endotoxin), was expressed in human 293 cells (HEK293) with C-terminal His tag.
Species	Human
Source	HEK293
ProteinLength	25-645 aa
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Cetuximab at 2 µg/mL (100 µL/well) can bind Recombinant Human EGFR Protein, His-tagged, low endotoxin with a linear range of 0.8-6 ng/mL (QC tested). Immobilized Erbitux on CM5 Chip via anti-human Fc IgG, can bind Recombinant Human EGFR Protein, His-tagged, low endotoxin with an affinity constant of 0.492 nM as determined in SPR assay (Biacore T200) (Routinely tested).
Molecular Mass	70.5kDa
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

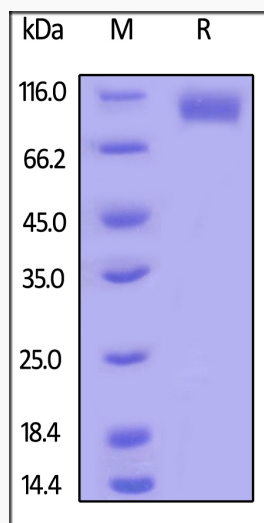
GENE INFORMATION

Gene Name	EGFR epidermal growth factor receptor [Homo sapiens]
Official Symbol	EGFR
Synonyms	EGFR; epidermal growth factor receptor; ERBB1; ERBB; HER1; mENA; PIG61;
Gene ID	1956
mRNA Refseq	NM_005228
Protein Refseq	NP_005219
MIM	131550
UniProt ID	P00533

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